

Form PTO-1449 (modified)

Atty. Docket No.

13403.0004.NPUS00

Serial No.

09/921,144

ATTACH TO #5

List of Patents and Publications for Applicant's

Applicants: Caili Wang; Pingyu Zhong; Shengjiang Liu;
Peizhi Luo; Shengfeng Li; and Xinwei Wang

INFORMATION DISCLOSURE STATEMENT

Title: COMPOSITIONS AND METHODS FOR
GENERATING CHIMERIC HETEROMULTIMERS

Filing Date:

August 1, 2001

Group:

1645

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
12W	1	3,817,837	06/18/1974	Rubenstein, et al.	195	103.5 R	11/06/1972
	2	3,850,752	11/26/1974	Schuurs, et al.	195	103.5 R	10/29/1971
	3	3,939,350	02/17/1976	Kronick, et al.	250	365	04/29/1974
	4	3,996,345	12/07/1976	Ullman, et al.	424	12	06/30/1975
	5	4,275,149	06/23/1981	Litman, et al.	435	7	11/24/1978
	6	4,277,437	07/07/1981	Maggio	422	61	12/10/1979
	7	4,366,241	12/28/1982	Tom, et al.	435	7	08/07/1980
	8	5,091,513	02/25/1992	Huston, et al.	530	387	01/02/1991
	9	5,223,409	08/03/1993	Schwab	356	402	02/25/1992
	10	5,270,202	12/14/1993	Raychaudhuri	435	240.27	03/12/1991
	11	5,348,867	09/20/1994	Georgiou, et al.	435	69.7	11/15/1991
	12	5,403,484	04/04/1995	Ladner, et al.	435	235.1	01/26/1993
	13	5,405,783	04/11/1995	Pirrung, et al.	436	581	03/12/1992
	14	5,412,087	05/02/1995	McGall, et al.	536	24.3	04/24/1992
	15	5,445,934	08/29/1995	Fodor, et al.	435	6	09/30/1992
	16	5,514,548	05/07/1996	Krebber, et al.	435	6	02/17/1994
	17	5,571,698	11/05/1996	Ladner, et al.	435	69.7	06/18/1993
	18	5,695,937	12/09/1997	Kinzler, et al.	435	6	09/12/1995
	19	5,731,168	03/24/1998	Carter, et al.	435	69.1	03/01/1995
	20	5,738,996	04/14/1998	Hodges, et al.	435	71	06/15/1994
	21	5,807,706	09/15/1998	Carter, et al.	435	69.1	05/03/1995
12W	22	5,821,333	10/13/1998	Carter, et al.	530	350	05/03/1995

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70	23	5,824,483	10/20/1998	Houston, Jr. et al.	435	7.1	06/16/1995
	24	5,830,721	11/03/1998	Stemmer, et al.	435	172.1	02/17/1995
	25	5,837,500	11/17/1998	Ladner, et al.	435	69.7	04/03/1995
	26	5,849,500	12/14/1998	Breitling, et al.	435	7.1	05/10/1993
	27	5,858,657	01/12/1999	Winter, et al.	435	6	06/07/1995
	28	5,869,337	02/09/1999	Crabtree, et al.	435	372.3	02/14/1995
	29	5,885,793	03/23/1999	Griffiths, et al.	435	69.1	12/02/1992
	30	5,910,573	06/08/1999	Plückthun, et al.	530	387.3	01/15/1993
	31	5,932,448	08/03/1999	Tso, et al.	435	69.6	11/29/1991
	32	5,955,341	09/21/1999	Kang, et al.	435	235.1	02/02/1995
	33	5,965,368	10/12/1999	Vidal, et al.	435	6	10/24/1997
	34	5,969,108	10/19/1999	McCafferty, et al.	530	387.3	07/10/1991
	35	6,010,884	01/04/2000	Griffiths, et al.	435	69.7	05/29/1996
	36	6,027,930	02/22/2000	Borrebaeck	435	235	01/15/1996
	37	6,083,693	07/04/2000	Nandabalan, et al.	435	6	06/14/1996
	38	6,127,132	10/03/2000	Breitling, et al.	435	7.1	10/07/1999
	39	6,129,914	10/10/2000	Weiner, et al.	424	133.1	03/01/1995
	40	6,130,037	10/10/2000	Lennox, et al.	435	6	04/24/1997
	41	6,132,963	10/17/2000	Brent, et al.	435	6	10/14/1997
	42	6,140,471	10/31/2000	Johnson, et al.	530	387.3	03/30/1998

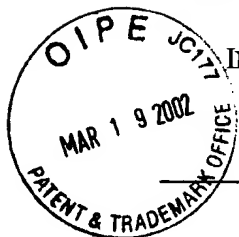
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LDA	43	6,159,705	12/12/2000	Trueheart, et al.	435	29	09/24/1997
	44	6,165,793	12/26/2000	Stemmer	435	440	05/08/1998
	45	6,171,792 B1	01/09/2001	Brent, et al.	435	6	11/10/1998
	46	6,174,708	01/16/2001	Sodoyer, et al.	435	91.1	01/22/1999
	47	6,180,406 B1	01/30/2001	Stemmer	435	440	06/17/1998
LDA	48	6,248,516 B1	06/19/2001	Winter, et al.	435	6	06/06/1995

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
LDA	49	EP 0 368,684 B1	09/03/1994	EPO	C07K 13	00	
	50	EP 0 699,755 A2	06/03/1996	EPO	C12N 15	13	
	51	WO 88/06630	09/07/1988	PCT	C12P 21	00	
	52	WO 90/02809	02/22/1990	PCT	C12P 21	00	
	53	WO 90/05144	05/17/1990	PCT	C07K 13	00	
	54	WO 91/17271	11/14/1991	PCT	C12Q 1	70	
	55	WO 92/01047	01/23/1992	PCT	C12N 15	00	
	56	WO 92/15679	09/17/1992	PCT	C12N 15	10	
	57	WO 93/10247	05/27/1993	PCT	C12N 15	70	
	58	WO 93/11236	06/10/1993	PCT	C12N 15	13	
	59	WO 95/26400	10/05/1995	PCT	C12N 15	00	
	60	WO 97/08320	03/06/1997	PCT	C12N 15	13	
LDA	61	WO 99/14319	03/25/1999	PCT	C12N 15	10	

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LA	62	WO 99/42597	08/26/1999	PCT	C12N 15	62	
LA	63	WO 00/14222	03/16/2000	PCT	C12N 15	12	
LA	64	WO 01/05950 A2	01/25/2001	PCT	C12N 15	60	

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
LA	65	Abel and Maniatis, (1989) "Gene Regulation. Action of Leucine Zippers," <i>Nature</i> , 341(6237):24-5
	66	Adey, et al., (1996) "Construction of Random Peptide Libraries In Bacteriophage M13," Chapter 5, <i>Phage Display of Peptides and Proteins: A Laboratory Manual</i> , Academic Press, Inc.
	67	Armstrong, et al., (1996) "Vectors For Phage Display," Chapter 3, <i>Phage Display of Peptides and Proteins: A Laboratory Manual</i> , Academic Press, Inc.
	68	Ausubel, et al., eds., (1987) "Current Protocols In Molecular Biology" [Table of Contents provided]
	69	Ausubel, et al., eds., (1995) "Short Protocols In Molecular Biology" Third Edition [Table of Contents provided]
	70	Baker, et al., (1987) "Genetics and Biochemistry of the Assembly of Proteins Into the Outer Membrane of E. Coli," <i>Prog Biophys Mol Biol</i> , 49(2-3):89-115
	71	Banerji, et al., (1983) "A Lymphocyte-Specific Cellular Enhancer Is Located Downstream of the Joining Region In Immunoglobulin Heavy Chain Genes" <i>Cell</i> , 33(3):729-740
LA	72	Barbas, et al., (2001) <i>Phage Display: A Laboratory Manual</i> , Cold Spring Harbor Laboratory Press [Table of Contents provided]
LA	73	Barbas, et al., (1991) "Assembly of Combinatorial Antibody Libraries On Phage Surfaces: the Gene III Site," <i>Proc Natl Acad Sci U S A</i> , 88(18):7978-7982

EXAMINER:

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8/12/03

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
GA	74	Barbas, et al., (1992) "Semisynthetic Combinatorial Antibody Libraries: A Chemical Solution to the Diversity Problem," <i>Proc Natl Acad Sci U S A</i> , 89(10):4457-4461
	75	Barnes, et al., (1980) "Methods for Growth of Cultured Cells in Serum-Free Medium," <i>Anal. Biochem.</i> , 102(2):255-270
	76	Belshaw, et al., (1996) "Controlling Protein Association and Subcellular Localization With a Synthetic Ligand That Induces Heterodimerization of Proteins" <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 93(10):4604-4607
	77	Benson, et al. (1987) "In Vivo Selection and Characterization of Internal Deletions in the LamB::lacZ Gene Fusion" <i>Gene</i> , 52(2-3):165-73
	78	Benson, et al., (1984) "Intragenic Regions Required For LamB Export" <i>Proc. Natl. Acad. Sci U.S.A.</i> , 81(12):3830-34
	79	Bird, et al., (1988) "Single-Chain Antigen-Binding Proteins" <i>Science</i> , 242(4877):423-426
	80	Blankenstein, et al., (1988) "A Retroviral Expression Vector Containing Murine Immunoglobulin Heavy Chain Promoter/Enhancer" <i>Nucleic Acid Res.</i> , 16(22):10939
	81	Brinkmann, et al., (1993) "A Recombinant Immunotoxin Containing a Disulfide-Stabilized Fv Fragment" <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 90(16):7538-7542
	82	Burkhard, et al., (2001) "Coiled Coils: A Highly Versatile Protein Folding Motif," <i>Trends in Cell Biology</i> , 11(2):82-88
	83	Cantley, et al. (1991) "Oncogenes and Signal Transduction," <i>Cell</i> , 64(2):281-302
	84	Chatal, et al., (1985) "Clinical Prospective Study With Radioiodinated Monoclonal Antibodies Directed Against Colorectal Cancer," <i>Monoclonal Antibodies for Cancer Detection and Therapy</i> , Academic Press, Chapter 8, pp. 159-180
	85	Cohen, et al., (1989) "The Product of a Fos-Related Gene, Fra-1, Binds Cooperatively to the AP-1 Site With Jun: Transcription Factor AP-1 Is Comprised of Multiple Protein Complexes," <i>Genes Dev.</i> , 3(2):173-84
CA	86	Cook and Tomlinson, (1995) "The Human Immunoglobulin VH Repertoire," <i>Immunol Today</i> , 16(5):237-242

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
LA	87	Cornelis, (2000) "Expressing Genes In Different Escherichia Coli Compartments," <i>Curr Opin Biotechnol.</i> , 11(5):450-454
11	88	Crameri and Suter, (1993) "Display of Biologically Active Proteins on the Surface of Filamentous Phages: a cDNA Cloning System for Selection of Functional Gene Products Linked to the Genetic Information Responsible for Their Production," <i>Gene</i> , 137(1):69-75
	89	Daugherty, et al. (1999) "Development of An Optimized Expression System for the Screening of Antibody Libraries Displayed on the Escherichia Coli Surface," <i>Protein Eng.</i> , 12(7):613-621
	90	de Geus, et al., (1984) "The Pro- and Mature Forms of the E. Coli K-12 Outer Membrane Phospholipase A Are Identical" <i>EMBO J.</i> , 3(8):1799-1802
	91	De Haard, et al., (1999) "A Large Non-Immunized Human Fab Fragment Phage Library That Permits Rapid Isolation and Kinetic Analysis of High Affinity Antibodies," <i>J Biol Chem.</i> , 274(26):18218-18230
	92	De Kruif and Logtenberg, (1996) "Leucine Zipper Dimerized Bivalent and Bispecific scFv Antibodies From a Semi-synthetic Antibody Phage Display Library," <i>J. Biol. Chem.</i> , 271(13):7630-7634
	93	Donovan, et al., (1987) "Genes Encoding Spore Coat Polypeptides From Bacillus Subtilis," <i>J Mol Biol.</i> , 196(1):1-10
	94	Frank, et al., (2000) "A Distinct Seven-Residue Trigger Sequence Is Indispensable For Proper Coiled-Coil Formation of the Human Macrophage Scavenger Receptor Oligomerization Domain" <i>J. Biol. Chem.</i> , 275(16):11672-11677
	95	Freshney, (1987) "Animal Cell Culture" [Table of Contents provided]
	96	Gillies, et al., (1983) "A Tissue-Specific Transcription Enhancer Element Is Located In The Major Intron of a Rearranged Immunoglobulin Heavy Chain Gene" <i>Cell</i> , 33(3):717-728
↙	97	Glaser, et al., (1992) "Dissection of the Combining Site In a Humanized Anti-Tac Antibody" <i>J. Immunol.</i> , 149(8):2607-2614
LR	98	Glockshuber, et al., (1990) "A Comparison of Strategies to Stabilize Immunoglobulin Fv-Fragments" <i>Biochemistry</i> , 29(6):1362-1367

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LA	99	Goeddel, ed., "Gene Expression Technology," Academic Press, Inc. [Table of Contents provided]
	100	Gentz, et al., (1989) "Parallel Association of Fos and Jun Leucine Zippers Juxtaposes DNA Binding Domains," <i>Science</i> , 243(4899):1695-9
	101	Geoffroy, et al. (1994) "A New Phage Display System to Construct Multicombinatorial Libraries of Very Large Antibody Repertoires." <i>Gene</i> , 151(1-2):109-13
	102	Gomes, et al., (2000) "Heterodimerization of Mu and Delta Opioid Receptors: A Role in Opiate Synergy," <i>J. Neurosci.</i> , 20(22):RC110
	103	Gram, et al., (1992) "In Vitro Selection and Affinity Maturation of Antibodies From a Naive Combinatorial Immunoglobulin Library," <i>Proc Natl Acad Sci U S A</i> , 89(8):3576-3580
	104	Griffiths, et al., (1994) "Isolation of High Affinity Human Antibodies Directly From Large Synthetic Repertoires," <i>EMBO J.</i> , 13(14):3245-3260
	105	Gudmundsdottir, et al., (1989) "Point Mutations in a Conserved Region (TonB Box) of Escherichia Coli Outer Membrane Protein BtuB Affect Vitamin B12 Transport," <i>J Bacteriol.</i> , 171(12):6526-33
	106	Hantzopoulos, et al., (1989) "Improved Gene Expression Upon Transfer of the Adenosine Deaminase Minigene Outside the Transcriptional Unit of a Retroviral Vector" <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 86(10):3519-3523
	107	Harlow and Lane (1988) "Antibodies: A Laboratory Manual," Cold Spring Harbor Laboratory, New York [Table of Contents provided]
	108	Hawkins, et al., (1992) "Selection of Phage Antibodies By Binding Affinity. Mimicking Affinity Maturation," <i>J Mol Biol.</i> , 226(3):889-896
LA	109	Holliger, et al., (1993) "'Diabodies': Small Bivalent and Bispecific Antibody Fragments," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 90(14):6444-6448
LA	110	Hoogenboom and Chames, (2000) "Natural and Designer Binding Sites Made By Phage Display Technology," <i>Immunology Today</i> , 21(8):371-378

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LMP	111	Huston, et al., (1988) "Protein Engineering of Antibody Binding Sites: Recovery of Specific Activity in An Anti-Digoxin Single-Chain Fv Analogue Produced In Escherichia Coli," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 85 (16):5879-5883
1	112	Jabet, et al., (1999) "NMR Studies of the Pbx1 TALE Homeodomain Protein Free in Solution and Bound to DNA: Proposal for A Mechanism of HoxB1-Pbx1-DNA Complex Assembly," <i>J Mol Biol.</i> 291 (3):521-530
	113	Jansen, et al., (1985) "Efficiency and Tolerance of the Treatment With Immuno-A-Chain-Toxins in Human Bone Marrow Transplantations," <i>Monoclonal Antibodies for Cancer Detection and Therapy</i> , Academic Press, Chapter 11, pp. 223-248
	114	Jordan, et al., (1999) "G-Protein-Coupled Receptor Heterodimerization Modulates Receptor Function," <i>Nature</i> , 399 (6737):697-700
	115	Junius, et al., (1996) "High Resolution NMR Solution Structure of the Leucine Zipper Domain of the c-Jun Homodimer," <i>J. Biol. Chem.</i> , 271 (23):13663-13667
	116	Kammerer, et al., (1998) "An Autonomous Folding Unit Mediates The Assembly of Two-Stranded Coiled Coils," <i>Biochemistry</i> , 95 (23):13419-13424
	117	Kammerer, et al., (1999) "Heterodimerization of a Functional GABA _B Receptor Is Mediated by Parallel Coiled-Coil α -Helices," <i>Biochemistry</i> , 38 (40):13263-13269
	118	Kang, et al., (1991) "Linkage of Recognition and Replication Functions By Assembling Combinatorial Antibody Fab Libraries Along Phage Surfaces," <i>Proc Natl Acad Sci U S A</i> , 88 (10):4363-4366
	119	Kay, et al., (1996) <i>Phage Display of Peptides and Proteins: A Laboratory Manual</i> , Academic Press, Inc. [Table of Contents provided]
	120	Kay and Hoess, (1996) "Principles and Applications of Phage Display," Chapter 2, <i>Phage Display of Peptides and Proteins: A Laboratory Manual</i> , Academic Press, Inc.
6	121	Kim, et al., (1999) "Cell Surface Display of Hepatitis B Virus Surface Antigen By Using Pseudomonas Syringae Ice Nucleation Protein," <i>Lett Appl Microbiol.</i> , 29 (5):292-7
LMA	122	Kuner, et al., (1999) "Role of Heteromer Formation in GABA _B Receptor Function," <i>Science</i> , 283 (5398):74-77

EXAMINER:

DATE CONSIDERED:

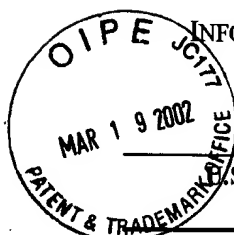
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Other Art

See Page 4

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
269	123	Lang, (2000) "Outer Membrane Proteins as Surface Display Systems," <i>Int J Med Microbiol.</i> , 290(7):579-585
	124	Larrick, et al., (1989) "Rapid Cloning of Rearranged Immunoglobulin Genes From Human Hybridoma Cells Using Mixed Primers and the Polymerase Chain Reaction," <i>Biochem. Biophys. Res. Commun.</i> , 160(3):1250-1255
	125	Levitt, et al., (1983) "Molecular Dynamics of Native Protein. I. Computer Simulation of Trajectories," <i>J. Mol. Biol.</i> , 168:595-617
	126	Light, et al., (1996) "Expression Cloning of cDNA By Phage Display Selection," <i>Nucleic Acids Research</i> , 24(21):4367-4368
	127	Liscovitch, et al., (1994) "Lipid Second Messengers," <i>Cell</i> , 77(3):329-34
	128	Little, et al., (2000) "Of Mice and Men: Hybridoma and Recombinant Antibodies," <i>Immunology Today</i> , 21(8):364-370
	129	Losick, et al., (1986) "Genetics of Endospore Formation in <i>Bacillus Subtilis</i> ," <i>Annu Rev Genet.</i> , 20:625-69
	130	Luiten, et al., (1985) "Nucleotide Sequence of the Genome of Pf3, An IncP-1 Plasmid-Specific Filamentous Bacteriophage of <i>Pseudomonas Aeruginosa</i> ," <i>J Virol.</i> , 56(1):268-76
	131	Luiten, et al., (1991) "In Vitro Deletion Mapping of the Viral Strand Replication Origin of <i>Pseudomonas Bacteriophage Pf3</i> ," <i>J Bacteriol.</i> , 173(13):4007-12
	132	Marks, et al., (1991) "By-Passing Immunization. Human Antibodies From V-Gene Libraries Displayed on Phage," <i>J Mol Biol.</i> , 222(3):581-597
	133	Mason, et al., (1985) "Transcription Cell Type Specificity is Conferred By An Immunoglobulin VH Gene Promoter That Includes a Functional Consensus Sequence," <i>Cell</i> , 41(2):479-487
	134	Matthews, (1991) "Plant Virology," 3 rd edition
	135	McCafferty, et al., (1990) "Phage Antibodies: Filamentous Phage Displaying Antibody Variable Domains," <i>Nature</i> , 348(6301):552-4
600	136	McIvor, et al., (1987), "Human Purine Nucleoside Phosphorylase and Adenosine Deaminase: Gene Transfer Into Cultured Cells and Murine Hematopoietic Stem Cells By Using Recombinant Amphotropic Retroviruses," <i>Mol. Cell. Biol.</i> , 7(2):838-846

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
LA	137	McPherson, et al., eds. (1995) "PCR 2: A Practical Approach" [Table of Contents provided]
	138	Miltenyi, et al., (1990) "High Gradient Magnetic Cell Separation With MACS," <i>Cytometry</i> , 11(2):231-238
	139	Misra, et al., (1988) "Isolation and Characterization of OmpC Porin Mutants With Altered Pore Properties," <i>J Bacteriol.</i> , 170(2):528-33
	140	Myers (1985) "The Use of Immunotoxins to Eliminate Tumor Cells From Human Leukaemic Marrow Autografts," <i>Monoclonal Antibodies for Cancer Detection and Therapy</i> , Academic Press, Chapter 12, pp. 249-267
	141	Nakabeppu, et al., (1988) "DNA Binding Activities of Three Murine Jun Proteins: Stimulation By Fos.," <i>Cell</i> , 55(5):907-15
	142	O'Shea, et al., (1992) "Mechanism of Specificity in the Fos-Jun Oncoprotein Heterodimer," <i>Cell</i> , 68(4):699-708
	143	Olsnes and Pihl, (1981) "Chimeric Toxins," <i>Pharmac. Ther.</i> , 15(3):355-381
	144	Orlandi, et al. (1989) "Cloning Immunoglobulin Variable Domains For Expression By the Polymerase Chain Reaction," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 86(10):3833-3837
	145	Pages, et al., (1990) "Immunological Approach of Assembly and Topology of OmpF, an Outer Membrane Protein of Escherichia Coli," <i>Biochimie</i> , 72(2-3):169-76
	146	Parmley, et al., (1988) "Antibody-Selectable Filamentous fd Phage Vectors: Affinity Purification of Target Genes," <i>Gene</i> , 73(2):305-18
	147	Peng, et al., (1988) "Retroviral-Mediated Gene Transfer and Expression of Human Phenylalanine Hydroxylase in Primary Mouse Hepatocytes," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 85(21):8146-8150
V	148	Pini, et al. (1998) "Design and Use of a Phage Display Library. Human Antibodies With Subnanomolar Affinity Against a Marker of Angiogenesis Eluted From a Two-Dimensional Gel," <i>J Biol Chem.</i> , 273(34):21769-21776
LA	149	Piper, et al., (1999) "Structure of a HoxB1-Pbx1 Heterodimer Bound to DNA: Role of the Hexapeptide and a Fourth Homeodomain Helix in Complex Formation," <i>Cell</i> , 96(4):587-597

EXAMINER:

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
LAJ	150	Rider, et al., (1996) "Microbiological Methods," Chapter 4, <i>Phage Display of Peptides and Proteins: A Laboratory Manual</i> , Academic Press, Inc.
	151	Rondot, et al., (2001) "A Helper Phage to Improve Single-Chain Antibody Presentation in Phage Display," <i>Nature Biotechnology</i> , 19(1):75-78
	152	Sambrook, et al., (1989) "Molecular Cloning: A Laboratory Manual," 2 nd edition [Table of Contents provided]
	153	Sanford, et al., (1993) "Optimizing the Biolistic Process for Different Biological Applications," <i>Methods in Enzymology</i> , 217:483-509
	154	Sastry, et al., (1989) "Cloning of the Immunological Repertoire in Escherichia Coli for Generation of Monoclonal Catalytic Antibodies: Construction of a Heavy Chain Variable Region-Specific cDNA Library," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 86(15):5728-5732
	155	Sato, et al., (1982) "Growth of Cells in Hormonally Defined Media," Cold Spring Harbor Press, N.Y. [Table of Contents provided]
	156	Sblattero, et al, (1997) "A Definitive Set of Oligonucleotide Primers for Amplifying Human V Regions," <i>Immunotechnology</i> , 3(4):271-278
	157	Schuler, et al., "Methods in Plant Molecular Biology," Academic Press, Inc. [Table of Contents Provided]
	158	Scott and Barbas, (2001) "Phage-Display Vectors," Chapter 2, <i>Phage Display: A Laboratory Manual</i> , Cold Spring Harbor Laboratory Press
	159	Shalaby, et al., (1992) "Development of Humanized Bispecific Antibodies Reactive with Cytotoxic Lymphocytes and Tumor Cells Overexpressing the HER2 Protooncogene," <i>J. Exp. Med.</i> , 175(1):217-225
LAJ	160	Sheets, et al., (1998) "Efficient Construction of a Large Nonimmune Phage Antibody Library: the Production of High-Affinity Human Single-Chain Antibodies to Protein Antigens," <i>Proc Natl Acad Sci U S A</i> , 95(11):6157-6162
LAJ	161	Sidhu, (2000) "Phage Display in Pharmaceutical Biotechnology," <i>Curr Opin Biotechnol.</i> , 11(6):610-616

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See Page 3

Other Art

See Page 4

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
WJ	162	Smith, et al., (1985) "Filamentous Fusion Phage: Novel Expression Vectors that Display Cloned Antigens on the Virion Surface," <i>Science</i> , 228 (4705):1315-17
1	163	So, et al., (1985) "Gonococcal Pilus: Genetics and Structure," <i>Curr Top in Microbiol & Immunol</i> , 118 :13-28
	164	Soderlind, et al. (2000) "Recombining Germline-Derived CDR Sequences for Creating Diverse Single-Framework Antibody Libraries," <i>Nat Biotechnol.</i> , 18 (8):852-856
	165	Songyang, et al., (1993) "SH2 Domains Recognize Specific Phosphopeptide Sequences" <i>Cell</i> , 72 (5):767-778
	166	Songyang, et al., (1995) "A Single Point Mutation Switches the Specificity of Group III Src Homology (SH) 2 Domains to That of Group I SH2 Domains" <i>J. Biol. Chem.</i> , 270 (44):26029-26032
	167	Stemmer, et al., (1993) "Selection of an Active Single Chain Fv Antibody From a Protein Linker Library Prepared by Enzymatic Inverse PCR," <i>Biotechniques</i> , 14 (2):256-265
	168	Tabin, et al., (1982) "Adaptation of a Retrovirus as a Eucaryotic Vector Transmitting the Herpes Simplex Virus Thymidine Kinase Gene," <i>Mol. Cell. Biol.</i> , 2 (4):426-436
	169	Tempest, et al., (1991) "Reshaping a Human Monoclonal Antibody to Inhibit Human Respiratory Syncytial Virus Infection In Vivo," <i>Biotechnology</i> , 9 (3):266-271
	170	Thorpe, et al., (1982) "Monoclonal Antibody-Toxin Conjugates: Aiming the Magic Bullet," <i>Monoclonal Antibodies in Clinical Medicine</i> , Academic Press, pp. 168-190
	171	van Assendelft, et al., (1989) "The Beta-Globin Dominant Control Region Activates Homologous and Heterologous Promoters in a Tissue-Specific Manner," <i>Cell</i> , 56 (6):969-977
	172	van der Ley, et al., (1986) "Topology of Outer Membrane Pore Protein PhoE of Escherichia Coli," <i>J. Biol. Chem.</i> , 261 (26):12222-12225
WJ	173	Vidal, et al., (1996) "Reverse Two-Hybrid and One-Hybrid Systems to Detect Dissociation of Protein-Protein and DNA Protein Interactions," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 93 (19):10315-10320
WJ	174	Viega, et al., (1999) "Probing Secretion and Translocation of a Beta-Autotransporter Using a Reporter Single-Chain Fv as a Cognate Passenger Domain," <i>Mol Microbiol.</i> , 33 (6):1232-43

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Foreign Patent Documents

See Page 3

Other Art

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
LA	175	Vitetta, et al. (1987) "Redesigning Nature's Poisons to Create Anti-Tumor Reagents," <i>Science</i> , 238(4830):1098-1104
	176	Ward, et al., (1989) "Binding Activities of a Repertoire of Single Immunoglobulin Variable Domains Secreted from Escherichia coli," <i>Nature</i> , 341(6242):544-546
	177	Waterhouse, et al., (1993) "Combinatorial Infection and In Vivo Recombination: a Strategy for Making Large Phage Antibody Repertoires," <i>Nucleic Acids Res.</i> , 21(9):2265-6
	178	White, et al., (1998) "Heterodimerization is Required for the Formation of a Functional BABA _B Receptor," <i>Nature</i> , 396(6712):679-682
	179	Winter and Milstein (1991) "Man-made Antibodies," <i>Nature</i> , 349(6307):293-299
	180	Winter, et al., (1994) "Making Antibodies By Phage Display Technology," <i>Ann. Rev. Immunol.</i> , 12:433-455
	181	Wolf, et al., (1997) "MultiCoil: A Program for Predicting Two- and Three-Stranded Coiled Coils," <i>Protein Sci.</i> , 6(6):1179-1189
W	182	Zhou et al., (1983) "Introduction of Exogenous DNA into Cotton Embryos," <i>Methods in Enzymology</i> , 101:433-481

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